

Sequence listing

Sequences for use in specific embodiments of the invention, and specific fusion proteins of the invention, are set out in the following.

SEQ ID No:

- 1 amino acid sequence for mouse Id3
- 2 amino acid sequence for rat Id3
- 3 amino acid sequence for canine Id3
- 4 amino acid sequence for human Id3
- 5 protein transduction domain from Tat
- 6 protein transduction domain from antennapedia
- 7 Tat-human Id 3 fusion
- 8 antennapedia -human Id 3 fusion
- 9 mouse Id 3-antennapedia fusion

20 SEQ ID NO: 1 - mouse Id3

MKALSPVRGCYEAVCCLSLERSLAIARGRGKSPSTEEPLSLLDDMNHHCYSRLREL
VPGVPRGTQLSQVEILQRVIDYILDQVLAEPAPGPPDGPHLPIQTAELTPELVIS
KDKRSFCH

25

SEQ ID NO: 2 - rat Id3

MKALSPVRGCYEAVCCLSLERSLAIARGRGKSPSAEEPLSLLDDMNHHCYSRLREL
VPGVPRGTQLSQVEILQRVIDYILDQVLAEPAPGPPDGPHLPIQTAELTPELVIS
KDKRSFCH

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SEQ ID NO: 3 - canine Id3

MKALSPVRGCYEAVCCLSLERSLAIARGRGKGPAEEPLSLLDDMNHHCYSRLREL
VPGVPRGTQLSQVEILQRVIDYILDQVLAEPAPGPPDGPHLPIQTAELAPELVIS
NDKRSFCH

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SEQ ID NO: 4 - human Id3

MKALSPVRGCYEAVCCLSLERSLAIARGRGKGPAEEPLSLLDDMNHHCYSRLREL
VPGVPRGTQLSQVEILQRVIDYILDQVLAEPAPGPPDGPHLPIQTAELAPELVIS
NDKRSFCH

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SEQ ID NO: 5 - protein transduction domain from Tat

YGRKKRRQRRR

5 SEQ ID NO: 6 – protein transduction domain from antennapedia

RQIKIWFQNRRMKWKK

10 SEQ ID NO: 7 – Tat-human Id 3 fusion

YGRKKRRQRRRMKALSPVRGCYEAVCCLSERSLAIARGRGKGPAEEPLSLDD
DMNHCYSRLRELVPGVPRGTQLSQVEILQRVIDYILDQVLAEPAPGPPDGPHL
PIQTAE LAPELVISNDKRSFCH

15

SEQ ID NO: 8 – antennapedia -human Id 3 fusion

20 RQIKIWFQNRRMKWKKMKALSPVRGCYEAVCCLSERSLAIARGRGKGPAEEPL
SLLDDMNHCYSRLRELVPGVPRGTQLSQVEILQRVIDYILDQVLAEPAPGPPD
GPHLPIQTAE LAPELVISNDKRSFCH

SEQ ID NO: 9 – mouse Id 3-antennapedia fusion

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MKALSPVRGCYEAVCCLSERSLAIARGRGKSPSTEEPLSLLDDMNHCYSRLREL
VPGVPRGTQLSQVEILQRVIDYILDQVLAEPAPGPPDGPHLPIQTAE LTPELVIS
KDKRSFCHRQIKIWFQNRRMKWKK